

-67-

SEQUENCE LISTING

(1) GENERAL INFORMATION:

- (I) APPLICANT: Bestor, Timothy H.
- (ii) TITLE OF INVENTION: CHIMERIC DNA-BINDING/DNA METHYLTRANSFERASE
NUCLEIC ACID AND POLYPEPTIDE AND USES
THEREOF
- (iii) NUMBER OF SEQUENCES: 2
- (iv) CORRESPONDENCE ADDRESS:
(A) ADDRESSEE: Cooper & Dunham LLP
(B) STREET: 1185 Avenue of the Americas
(C) CITY: New York
(D) STATE: New York
(E) COUNTRY: U.S.A.
(F) ZIP: 10036
- (v) COMPUTER READABLE FORM:
(A) MEDIUM TYPE: Floppy disk
(B) COMPUTER: IBM PC compatible
(C) OPERATING SYSTEM: PC-DOS/MS-DOS
(D) SOFTWARE: PatentIn Release #1.0, Version #1.30
- (vi) CURRENT APPLICATION DATA:
(A) APPLICATION NUMBER:
(B) FILING DATE: 31-JAN-1996
(C) CLASSIFICATION:
- (viii) ATTORNEY/AGENT INFORMATION:
(A) NAME: White, John P.
(B) REGISTRATION NUMBER: 28,678
(C) REFERENCE/DOCKET NUMBER: 48075-A
- (ix) TELECOMMUNICATION INFORMATION:
(A) TELEPHONE: 212-278-0400
(B) TELEFAX: 212-391-0526

(2) INFORMATION FOR SEQ ID NO:1:

- (I) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 632 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

09051013 100998

- 68 -

TGGAAGGGCT AATTCACCTCC CAACGAAGAC AAGATATCCT TGATCTGTGG ATCTACCACA 60
CACAAGGCTA CTTCCCTGAT TAGCAGAACT ACACACCAGG GCCAGGAGTC AGATATCCAC 120
TGACCTTTGG ATGGTGCTAC AAGCTAGTAC CAGTTGAGCC AGATAAGGTA GAAGAGGCCA 180
ACAAAGGAGA GAACACCAGC TTGTTACACC CTGTGAGCCT GCATGGGATG GATGACCCGG 240
ATATATAAGT GTTAGAGTGG AGGTTTGACA GCCGCCTAGC ATTTTCATCAC GTGGCCCGAG 300
AGCTGCATCC GGAGTACTTC AAGAACTGCT GATATCGAGC TTGCTACAAG GGACTTTCCG 360
CTGGGGACTT TCCAGGGAGG CGTGGCCTGG GCGGGACTGG GGAGTGGCGA GCCCTCAGAC 420
CTGCATATAA GCAGCTGCTT TTTGCCTGTA CTGGGTCTCT CTGGTTAGAC CAGATCTGAG 480
CCTGGGAGCT CTCTGGCTAG CTAGGGAACC CACTGCTTAA GCCTCAATAA AGCTTGCCCT 540
GAGTGCTTCA AGTAGTGTGT GCCCGTCTGT TGTGTGACTC TGGTAACTAG AGATCCCTCA 600
GACCCTTTTA GTCAGTGTGG AAAATCTCTA GC 632

(2) INFORMATION FOR SEQ ID NO:2:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 40 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

CCCCCTGTG AGCCTGCGGG TTTTTCCTCCG CAGGCTCACA 40

366007-ET-05060